

NSA Mid-South BCT Decisions

23-Sep-97

10-00258

Decision No. - 96 Site: S-86/S-133 Minute Ref. No. - 167 23-Sep-97

ENSAFE WILL BE ONSITE WITH A FIELD IR INSTRUMENT WHEN THE SLAB IN THE NATTC AREA AND THE AREA EAST OF S-133 IS REMOVED. ALSO, ENSAFE WILL BE AVAILABLE TO COME OUT IF CALLED BY NSA ENVT. DIVISION PERSONNEL. ENVIRONMENTAL DIVISION PERSONNEL WILL NOT BE ONSITE UNLESS THEY ARE CONTACTED BY THE ROICC OFFICE. IF TIMING IS RIGHT, ENSAFE PERSONNEL WORKING ON VCA REMOVALS WITH SHIPYARD DETACHMENT CAN ALSO PROVIDE SUPPORT. ENSAFE'S ROLE WILL BE TO OBSERVE SLAB REMOVAL AND LOOK FOR VISUAL AND OLFACTORY SIGNS OF SOIL CONTAMINATION. IF CONTAMINATION IS SUSPECTED, SAMPLES WILL BE FIELD SCREENED FOR TPH AND/OR TAKEN TO A LOCAL LAB FOR RUSH TURNAROUND ANALYSIS. ENSAFE AND ENVT. DIVISION PERSONNEL WILL MEET WITH ROICC OVERSIGHT PERSONNEL BEFORE WORK STARTS TO DISCUSS WHAT TO LOOK FOR. THE ROICC WILL BE ONSITE DURING THE DEMOLITION PROJECT. ROICC WILL BE RESPONSIBLE FOR NOTIFYING ENVIRONMENTAL IF CONTAMINATED SOIL IS SUSPECTED. ENVIRONMENTAL WILL NOTIFY ENSAFE TO VERIFY IF THE SOIL IS CONTAMINATED OR NOT. ROBERT SMITH WILL CHECK WITH PSI DRILLER TO GET INPUT ON WHAT WAS OBSERVED DURING GEOTECHNICAL BORINGS AT SITE. DECISION ON FREQUENCY OF ENSAFE SITE PRESENCE TABLED UNTIL ISSUES CAN BE DISCUSSED WITH JIM MORRISON.

Decision No. - 97 Site: Minute Ref. No. - 168 23-Sep-97

Meetings will not be taped. Attendees are asked to ensure that unscheduled agenda items are entered in the minutes. Also, the computer tablet/projector should be used to display minutes as they are entered to facilitate review by attendees.

Decision No. - 98 Site: Minute Ref. No. - 181 24-Sep-97

TDEC permission granted for Army to proceed with construction project at SWMU 65

Decision No. - 99 Site: SWMUs 8,10, 60 Minute Ref. No. - 182 24-Sep-97

SWMU 8 human health risk - leave HHRA as is and point out that conditions will change due to clearing and grading, but current HHRA is more conservative. A focused risk assessment for the 120-day construction project will be prepared and it will be pointed out that this is a safety in the workplace issue (i.e., an OSHA issue). SWMU 8 eco risk assessment - current risk assessment is very conservative, so leave as is and point out that habitat will be altered significantly and contaminants will be diluted through mixture with other surface soil after removal. SWMU 10 eco risk assessment - habitat will be altered significantly so that it will be used primarily by passerine birds, etc.. Also, some filling and grading will be required after removal of trees. So, the risk assessment discussion will be revised to reflect this.

Decision No. - 100 Site: SWMUs 8,10, 60 Minute Ref. No. - 182 24-Sep-97

Airport Authority will be advised of health and safety issues associated with portions of runway project associated with SWMUs, including HAZWOPER training requirements and possibility of buried debris and other hazards at SWMUs 8 and 10.

Decision No. - 101 Site: SWMUs 8,10, 60 Minute Ref. No. - 182 24-Sep-97

Airport Authority will be instructed by BCT to restrict reuse of surface soil removed from SWMU 8 area only to that same area.

Decision No. - 102 Site: SWMUs 22 & 63 Minute Ref. No. - 185 24-Sep-97

Work can proceed, but workers should be aware that there is a potential for encountering soil contamination. If contaminated soil encountered, associated soil disposal issues will have to be addressed.

Decision No. - 103 Site: Perimeter ditch Minute Ref. No. - 186 24-Sep-97

Collect one more sample in same general location as DynCorp sample.

Decision No. - 104	Site: S-86/S-133	Minute Ref. No. - 191	24-Sep-97
EnSafe will be onsite with field IR during removal of slabs at NATTC and S-133. After slab removed at NATTC, EnSafe will collect soil samples for IR screening.			
Decision No. - 105	Site: Misc. Southside	Minute Ref. No. - 192	24-Sep-97
The BCT proposed that the same plan of action outlined for demolition of S-86 and S-133 be followed for other buildings to be demolished on Southside.			
Decision No. - 106	Site:	Minute Ref. No. - 170	23-Sep-97
Rob Williamson reported that the concrete specs in the N-6 UST removal work plan are adequate. Also, the N-6 footprint is off limits to aircraft due to concrete spalling (FOD issue).			
Decision No. - 107	Site: MWR Shop	Minute Ref. No. - 198	27-Oct-97
The Team visited the site, then reached consensus on new sample locations. There will be four surface soil sample locations, all within the compound fence, and five geoprobe groundwater samples from the fluvial deposits. Soil samples will be analyzed for TPH, metals, chlorinated pesticides, and chlorinated herbicides. Groundwater samples will be analyzed for VOCs.			
Decision No. - 108	Site: Risk-related issu	Minute Ref. No. - 202	28-Oct-97
SWMU 60 WETLAND-Collect sediment samples from wetland as called for in EPA comments. If a risk is shown, evaluate how mowing the site (as it was in the past) will reduce exposure.			
Decision No. - 109	Site: Risk-related issu	Minute Ref. No. - 202	28-Oct-97
SWMU 8 and 10 eco risk assessments will not be required in the revised reports based on planned clearing, grubbing, and maintenance (mowing) by the Airport Authority.			
Decision No. - 110	Site: SWMUs 8 & 10	Minute Ref. No. - 203	28-Oct-97
Topsoil removed from cut at SWMU 8 and surrounding area can be mixed and reused at either SWMU 8 or SWMU 10 for cover (after cut at SWMU 8 or to cover exposed concrete at SWMU 10).			
Decision No. - 111	Site: S-86/S-133	Minute Ref. No. - 204	28-Oct-97
The Activity has the authority to remove and dispose of any petroleum-contaminated soil encountered during the S-86/S-133 slab removal using their own resources (e.g., USACE, Shipyard Detachment, and/or PWO personnel) without going through the BCT for approvals. The Activity will prepare written, internal response procedures.			
Decision No. - 112	Site: SWMU 2	Minute Ref. No. - 205	28-Oct-97
Install fence with current funding. Examine aerial photos and geophysical survey to ensure that past operational areas are enclosed within fence. Provide drawing showing extent of landfill to PWO so they can propose a fence layout/location.			
Decision No. - 113	Site: SWMU 2	Minute Ref. No. - 206	28-Oct-97
Drilling of SWMU 2 offsite monitoring wells will be delayed until this summer when conditions are drier.			
Decision No. - 114	Site: RAD sites	Minute Ref. No. - 207	28-Oct-97
RAD survey will be conducted the week of January 12, 1998.			
Decision No. - 115	Site: SWMU 16	Minute Ref. No. - 209	28-Oct-97
Prepare VCA Work Plan for removal of ASTs and contaminated soil. Upon completion of VCA field work, submit a combined VCA/CSI Report.			
Decision No. - 116	Site: SWMU 5	Minute Ref. No. - 216	02-Dec-97
Have lab recheck calculations for sample from location 6; if lab results appear to be correct, excavate more soil and resample. Excavate more soil in area of sample 10. Can backfill in other areas of excavation including trench.			

Decision No. - 117

Site: S-86/S-133

Minute Ref. No. - 221

02-Dec-97

Consensus was reached on the following decisions at the end of the discussion: 1) Immediately start delineation (EnSafe) and cleanup (Detachment) of soil at the NATTC HWAP and in the area around the 2,900 mg/kg TPH hit. EnSafe will also screen the area to the west of the 2,900 mg/kg TPH hit. This area was once under the S-133 slab and needs to be filled as soon as possible. May also need to delineate contamination in the area of the 207 mg/kg TPH hit if it is determined to be in an area that will be disturbed (see cleanup goals under Item 3). 2) Visual screening for contamination will continue "as is" (i.e., the backhoe operator, ROICC ConRep, project manager, and QC person will notify PWO-Environmental if significant suspected contamination is uncovered (e.g., small stained areas that could be removed via shovel and drum are not considered significant). PWO-Env. will mark the areas with stakes for subsequent screening by EnSafe and cover them with plastic. Stained or grossly contaminated concrete will be segregated. EnSafe will sample marked areas at least once a week to delineate areas of contamination requiring remediation. The ROICC will coordinate with the contractor to develop a schedule for sampling based on areas to be uncovered that are sizable enough to result in efficient use of resources. PWO-Env. will identify and mark "suspect" areas that are more likely to be contaminated than others. These will be sampled by EnSafe along with the areas marked because of visual or olfactory observations. As soon as the Detachment can be contracted by SOUTHDIV, they will remove and dispose of soil exceeding cleanup goals. 3) Cleanup goals were established for three scenarios: 100 mg/kg for soil in areas that will be disturbed, 500 mg/kg for soil below the depth that will be disturbed in areas that will not be paved, and 1,000 mg/kg for soil in areas that will be paved. If contamination is observed in a sand stringer or other more permeable zone, a more stringent cleanup goal may need to be considered. TDEC agreed that soil left behind with TPH between 500 and 1,000 will be managed in place in the future. 4) Issues surrounding disposal of concrete were not resolved. Jim Morrison will check with the TDEC Solid Waste Division for guidance and interpretations on the February 1997 change in the special waste rule regarding petroleum-contaminated soil, concrete testing and disposal requirements, and how to define "contaminated" concrete. 5) The field IR will be used to analyze samples (with appropriate QC) to determine when cleanup goals have been met. Confirmation samples will not be sent to an offsite lab. 6) The decisions outlined above will serve as the work plan along with the internal contingency plan prepared by PWO-Env. to deal with identification, removal, and disposal of petroleum-contaminated soil uncovered during concrete and asphalt removal.

Decision No. - 118

Site:

Minute Ref. No. - 223

03-Dec-97

EnSafe will check to see if we can locate the SWMU 5 soil stockpile representative of the most contaminated portion of the excavated area so that samples for TCLP lead and TCLP benzene analyses can be collected to determine whether the soil must be disposed of as special or hazardous waste. This approach (as opposed to multiple samples based on soil volume) must be approved by TDEC Solid Waste Division. EnSafe will prepare a written proposed approach for characterizing the soil and give it to Jim Morrison who will coordinate with Solid Waste Division.

Decision No. - 119

Site: SWMU 66

Minute Ref. No. - 224

03-Dec-97

Review past meeting minutes to synopsise past discussions and decisions made regarding the need for additional investigation (including groundwater sampling) at SWMU 66.

Decision No. - 120

Site:

Minute Ref. No. - 225

03-Dec-97

Everyone will review Assembly F Report before next BCT meeting in order to brainstorm sampling strategy for RFIs.

Decision No. - 121

Site: SWMU 2

Minute Ref. No. - 226

03-Dec-97

Proceed with drilling of SWMU 2 wells upon receipt of access from TDOT and upon locating matting or similar materials needed for drill rig access.

Decision No. - 122

Site: SWMU 66

Minute Ref. No. - 234

26-Jan-98

Next week, USGS will review groundwater maps and drilling log for nearby BG MW to determine preferred sampling interval and locations at SWMU 66. BCT will be informed of recommendations before sampling. EnSafe will arrange for Geoprobe contractor to collect GW samples. If unable to collect GW samples for VOC analysis, will collect soil samples. Sampling results will be incorporated into VCA report.

Decision No. - 123	Site: Land Restriction	Minute Ref. No. - 239	27-Jan-98
After meeting with the Reuse Committee, the BCT decided that all land to be transferred is restricted to "non-residential" uses only and pumping of fluvial deposits groundwater associated with this land will be prohibited by deed restriction. Also, installation of water supply wells will be prohibited in the hatched area of AOC A groundwater contamination, at SWMU 5, at BG MW 5 and at SWMUs 8, 10, and 60. These areas (8, 10, and 60) will also be noted on the map for disclosure purposes, as will areas where there is a potential for encountering soil with TPH concentrations greater than 100 ppm.			
Decision No. - 124	Site: Assembly F	Minute Ref. No. - 242	27-Jan-98
After a lengthy discussion, the team decided that USGS and EnSafe should meet Thursday to finalize proposed Assembly F RFI MW locations which will be faxed to other team members for review prior to a teleconference to come to consensus on the proposed locations. Consideration will be given to conducting additional DPT screening to better define extent before determining final number of MWs and their locations.			
Decision No. - 125	Site:	Minute Ref. No. - 247	28-Jan-98
Will discuss RAB agenda during Feb. BCT meeting.			
Decision No. - 126	Site: S-86/S-133	Minute Ref. No. - 248	28-Jan-98
PWO will collect a sample of tank contents today for VOC analysis to determine if solvents are present; EnSafe will arrange for a subcontractor to remove the tank and excavate soil based on field IR screening. EnSafe will collect confirmation samples after tank and soil are removed. Confirmation samples will be analyzed for VOCs, TPH, and metals. Any soil removed will be staged at NFF with other soil from BUPERS project. Removal Contractor will dispose of tank after removal of contents and cleaning.			
Decision No. - 127	Site: AOC A	Minute Ref. No. - 249	28-Jan-98
Following a comprehensive briefing by Jack Carmichael, Connor Haugh, John Stedman, and Ronnie Britto, Kay Wischkaemper concurred that the current approach for evaluating natural attenuation is "on the right path". Kay W. recommended installing additional monitoring wells now as part of CMS, rather than after the CMS. Two 3-MW transects were proposed downgradient of the N-6 and 11LF plumes, respectively. Kay W. concurred on the proposed well locations; however, it was recommended that the latest round of groundwater data be reviewed prior to finalizing the well locations along the transects to confirm that the new data doesn't necessitate adjustments to the modeling simulations.			
Decision No. - 128	Site: Sticky Drill	Minute Ref. No. - 254	11-Feb-98
Team members will review and bring comments on results of Sticky Drill to February BCT meeting where they will be given to facilitator for his/her review prior to Wednesday Feb. 25 discussion.			
Decision No. - 129	Site: SWMU 8	Minute Ref. No. - 268	23-Feb-98
Team okayed dirt moving contractor's request to clear trees just inside and south of gate so dirt from non-affected areas of site can be staged there. This will allow the contractor to make use of last 3 days rental on dump trucks. EnSafe will screen the area with a line locator (metal detector) after the trees are removed. Contractor will not work in area that has been staked off, except for area at north end that needs to be smoothed to facilitate survey. Surveyor will be onsite 2/24 to survey grid; Larry Hughes will follow with a magnetometer survey. Time estimate for grid and magnetometer surveys is 7 to 10 days. The Airport Authority has been informed of this.			
Decision No. - 130	Site: SWMU 8	Minute Ref. No. - 268	23-Feb-98
SWMU 8 RFI Report - Decisions on how human health and ecological risk should be addressed will be tabled until the March 11 telecon. This will allow discussion beforehand with Ted Simon (EPA) and Charles Jobe (TDEC)			
Decision No. - 131	Site: CDR	Minute Ref. No. - 271	24-Feb-98
The Team's comments will be incorporated into the CDR and another internal draft will be issued before next BCT meeting.			

Decision No. - 132	Site: EBSTs	Minute Ref. No. - 272	24-Feb-98
EBST documents will be revised. Scope of changes will be discussed during March BCT meeting and finalized during April 8 BCT telecon (0900 hrs).			
Decision No. - 133	Site: Land Use Restrict	Minute Ref. No. - 273	24-Feb-98
Changes to the map included: 1) adding note about loess and fluvial deposits groundwater use restriction; 2) changing colors so they do not match Env't. Condition of Property map colors; 3) breaking out SWMUs 8, 10, and 60 into a separate category; 4) redefined Yellow and Red categories to restrict water supply wells in these areas; 5) eliminate cross-hatching in apron area; 6) add Exhibit B to title block; and 7) extend apron area water supply well restriction downgradient to create a buffer zone (Jack C. will check model to verify that buffer zone is sufficient). Need to verify boundary change in northeast corner.			
Decision No. - 134	Site: Golf Course Lak	Minute Ref. No. - 275	24-Feb-98
The Team agreed that assuming Corps of Engineers and TDEC wetland/ARAP requirements are met, the Activity can dredge the Golf Course Lake and set the sediments aside for sampling. EnSafe will collect samples of the dredged sediment to determine disposal/reuse options. Rob Williamson will check with the Corps and TDEC on wetland/ARAP issues.			
Decision No. - 135	Site: SWMU 8	Minute Ref. No. - 268	23-Feb-98
On 2/24/98, the dirt moving contractor cleared the trees from the area on the south side of the road just inside the SWMU 8 gate. EnSafe checked the area with a line locator (metal detector) and flagged approximately a dozen "hits." The Team decided soil should not be stockpiled in this area until CET returns to check out anomalies from the upcoming magnetometer survey, at which time they can check this area as well. Russ Noble (Airport Manager) was informed of this and will pass the word on to the dirt moving contractor.			
Decision No. - 136	Site: SWMU 2	Minute Ref. No. - 280	24-Feb-98
The Team decided on the concept for fencing SWMU 2. Details will be presented in a memo to Rob Williamson. The teams decision will be presented to the CO.			
Decision No. - 137	Site: Assembly F	Minute Ref. No. - 282	24-Feb-98
The Team came to a consensus on the locations for the DPT points as presented in the fax to the BCT.			
Decision No. - 138	Site:	Minute Ref. No. - 286	25-Feb-98
Off site meeting will be held March 9-11, 1998 at Region IV headquarters to discuss Priority listing and Goals.			
Decision No. - 139	Site: Assembly F	Minute Ref. No. - 289	11-Mar-98
New VOC method for soil will be implemented during the Assembly F RFI.			
Decision No. - 140	Site:	Minute Ref. No. - 292	11-Mar-98
Team consensus: We will attend the Monterey Conference as a BCT function.			
Decision No. - 141	Site: SWMU 30	Minute Ref. No. - 294	11-Mar-98
Demolition approved by TDEC (verbally), EPA deferred to TDEC decision.			
Decision No. - 142	Site:	Minute Ref. No. - 298	23-Mar-98
DECISION: Will Finalize RAB Agenda and Presentations during April 6-8 meeting.			
Decision No. - 143	Site:	Minute Ref. No. - 299	23-Mar-98
DECISION: Consensus was reached on DRAFT Land Use Restrictions Map.			

Decision No. - 144	Site: Assembly A	Minute Ref. No. - 304	24-Mar-98
DECISION: Collect groundwater samples using geoprobe from the fluvial deposits or upper Cockfield at 2 locations, south and southwest of the site. Analyze samples for VOCs only. Field work will begin as soon as possible.			
Decision No. - 145	Site: SWMU 18	Minute Ref. No. - 305	24-Mar-98
DECISION: All soil with TPH concentrations exceeding 500 ppm will be removed. Excavation will be directed using the field IR. Excavated soil will be stockpiled on plastic for characterization.			
Decision No. - 146	Site: SWMU 18	Minute Ref. No. - 305	24-Mar-98
DECISION: Barring any objections from EPA's hydrogeo (KW), there will not be any monitoring wells installed at SWMU 18 as part of the RFI. Data will be included in the AOC A CMS and any additional data collected will be part of the CMS.			
Decision No. - 147	Site: AOC A	Minute Ref. No. - 306	24-Mar-98
DECISION: CONSENSUS WAS REACHED ON THE PLACEMENT OF THE EIGHT AOC A CMS WELLS, WITH THE ADDITION OF ONE WELL NORTH OF THE 007G04 AND FORMER N-5 LOCATION AND ONE ADDITIONAL WELL SOUTH OF THE 3-WELL TRANSECT NORTH OF 007G10. (TOTAL OF 10 WELLS)			
Decision No. - 148	Site: MAG-41 Gray A	Minute Ref. No. - 307	24-Mar-98
DECISION: MAG-41 will be colored light green on the Environmental Condition of Property Map.			
Decision No. - 149	Site: SWMU 60	Minute Ref. No. - 309	24-Mar-98
DECISION: SWMU 60 RFI Report will be revised to recommend no further action based on Petroleum Contaminated Sites Guidance. TDEC will discuss with DSW for concurrence. Eliminate cross-hatching from SWMU 60 on the Environmental Condition of Property map. Definition of the cross hatching will be redefined as areas with known loess or fluvial deposits groundwater contamination that requires further action (remediation or CMS).			
Decision No. - 150	Site: Assembly F	Minute Ref. No. - 310	24-Mar-98
DECISION: BCT will review workplan and assess the need for additional geoprobe points at SWMUs 22 and 20 during the Assembly F RFI. Groundwater at 17 and 19 will be assessed based on validated data. Additional geoprobe points needed at SWMU 19 will be addressed in a VCA work plan. Need to review SWMU 17 Closure Report and the CSI Work Plan to make sure the fill line trench was not an issue and that shallow soil was sampled around tank during the Assembly G/H CSI.			
Decision No. - 151	Site:	Minute Ref. No. - 312	24-Mar-98
DECISION: BCT did not have any objections, based on the information available, to siting the Citgo station at the proposed location (7th Ave and 3rd St. Extd.)			
Decision No. - 152	Site:	Minute Ref. No. - 314	24-Mar-98
DECISION: EnSafe will collect 2 loess groundwater samples, using geoprobe, from the area near pit #34 (Gas Pits) to assess 2 methylene chloride SSL exceedances.			
Decision No. - 153	Site: SWMU 8	Minute Ref. No. - 334	08-Apr-98
Removal action at SWMU 8 has been completed and the grading operations can resume. The contractor will be informed to proceed with caution in the event that additional cylinders are uncovered, both verbally and with a follow up letter to the Millington Airport Authority. Should additional cylinders be uncovered, the Airport Authority's contractor will be directed to cease operations and contact the Airport Authority immediately.			
Decision No. - 154	Site: SWMU 38	Minute Ref. No. - 350	28-Apr-98
No additional sampling is needed at SWMU 38 (Northside).			

Decision No. - 155	Site: SWMU 66	Minute Ref. No. - 361	29-Apr-98
Based on long-term cost savings, one MW will be installed close to the source area at SWMU 66 (rescinds previous decision to collect geoprobe samples).			
Decision No. - 156	Site: S-775	Minute Ref. No. - 387	10-Jun-98
Public Works will provide personnel to be onsite during the scheduled trenching at S-775.			
Decision No. - 157	Site: IDW	Minute Ref. No. - 389	10-Jun-98
Drill cuttings can be spread onsite (around each well) during the installation of the offsite wells associated with the SWMU 2 investigation.			
Decision No. - 158	Site: N-121	Minute Ref. No. - 390	10-Jun-98
Soil gas samples will be collected prior to the demolition of Building N-121. Additional samples will be collected after the building and slab are removed.			
Decision No. - 159	Site: Turkey Shoot	Minute Ref. No. - 396	17-Jun-98
DECISION: A soil removal will be conducted at the Turkey Shoot based on resolution of the clean up goal and resolution of the eco-risk associated with birds ingesting lead shot.			
Decision No. - 160	Site: USTs	Minute Ref. No. - 401	18-Jun-98
SWMU 5 DRAIN FIELD: Use the Detachment to verify the existance of the 'drain field' at SWMU 5. Will also verify contruction type. Will review old site plans/photos to determine the location of buildings.			
Decision No. - 161	Site: AOC A	Minute Ref. No. - 402	18-Jun-98
Consensus was reached to incorporate N-12 loess groundwater contamination into the Northside Loess CMS.			
Decision No. - 162	Site: AOC A	Minute Ref. No. - 402	18-Jun-98
Consensus was reached to incorporate N-12 loess groundwater contamination into the Northside Loess CMS.			
Decision No. - 163	Site: AOC A	Minute Ref. No. - 403	18-Jun-98
The outmost wells (#2, 3, 4) proposed for AOC A will be moved to the south approximately 100 ft. (to the northern extent of the steady state plume projected by MYGRT), Well # 5 will be moved to between #6 and #7 to form a 3 well transect. #8, 9, and 10 will be moved to the south to the northern end of the 'N-6 plume' as defined by the current MYGRT model. Consensus was reached to move the wells.			
Decision No. - 164	Site: MYGRT	Minute Ref. No. - 404	18-Jun-98
New AOC A wells will be sampled immediately following installation, with unvalidated data available in September. New data will be evaluated as to whether the model will need to be updated. Efforts will continue on preparation of the report such that if the data don't cause significant change to the current model, the report will be finished in time to be included in the AOC A report.			
Decision No. - 165	Site: SWMU 2	Minute Ref. No. - 410	18-Jun-98
Additional geological information is needed south of Big Creek to better define the groundwater flow direction. Up to 5 borings will be advanced at locations selected by Jack Carmicheal. Consensus was reached on the need for the borings, with locations to be selected by USGS.			
Decision No. - 166	Site: AOC A	Minute Ref. No. - 416	24-Jun-98
Wells will be moved in approximately 200 ft. from the original proposed well locations for wells #2, #3, and #4 at the request of TDEC with EPA concurrence. Also, wells #8, #9, and #10 will be moved to the south approx. 200 ft. also. An additional well will be placed, at TDECs request, north of Building N-126 to define the western edge of the conceptual plumes.			

Decision No. - 167	Site: Turkey Shoot	Minute Ref. No. - 421	09-Jul-98
DECISION: TURKEY SHOOT AREA 1) 400 PPM CLEAN UP LEVEL, 2) DELINEATE 400 PPM LINE PRIOR TO EXCAVATION			
Decision No. - 168	Site: SWMU 16	Minute Ref. No. - 424	14-Jul-98
SOIL REMOVED DURING THE SWMU 16 VCA WILL BE STOCKPILED ON PLASTIC IN THE AREA NORTH OF N-16 AND WILL NOT REQUIRE FENCING AROUND THE STOCK PILES.			
Decision No. - 169	Site: SWMU 5	Minute Ref. No. - 425	14-Jul-98
DECISION: SWMU 5: ONE LOWER FLUVIAL DEPOSITS MONITORING WELL WILL BE INSTALLED IN THE AREA WEST OF LOCATION 005GGB0447 TO DETERMINE IF THE LOWER FLUVIAL DEPOSITS HAVE BEEN IMPACTED FROM PAST DISPOSAL PRACTICES.			
Decision No. - 170	Site: SWMU 5	Minute Ref. No. - 426	14-Jul-98
NO FURTHER ACTION ASSOCIATED WITH SUSPECTED CLAY PIPE FOUND AT SWMU 5.			
Decision No. - 171	Site: N-12	Minute Ref. No. - 427	14-Jul-98
DECISION: Two wells will be installed, one in the area 100' west of Building N-12 (due to the possibility of this being a source area), and one east of PW-1. The wells will be installed in the lower fluvial deposits (approx. 80' bls), consistent with all other AOC A wells, to provide coverage between N-12 and PW-1. Wells will be sampled for VOCs.			
Decision No. - 172	Site: SWMU 5	Minute Ref. No. - 431	15-Jul-98
DECISION: MW-8, removed during the VCA, will be replace with a 4" well, 15 ft. screen, in the gravel, from approx. 5 to 20 ft. bls to determine if loess groundwater contamination is still present after the soil removal. Well will be sampled for VOCs.			
Decision No. - 173	Site:	Minute Ref. No. - 432	15-Jul-98
Finalize SWMU 8 report, recommending NFA with a confirmation sample collected from the slope near the wetland to check for the presence of dieldrin at concentrations that may pose an eco-risk. If unacceptable risk levels are encountered, it will be addressed as a seperate issue. Dieldrin concentrations will be screened against the calculated reference concentration, and if it exceeds, eco-risk will be evaluated.			
Decision No. - 174	Site: SWMU 2	Minute Ref. No. - 436	16-Jul-98
Consensus was reached on the location of the proposed fence at SWMU 2.			
Decision No. - 175	Site:	Minute Ref. No. - 443	11-Aug-98
New Cockfield well near Background Cluster #4 will not be sampled during the initial sampling event since it installed for waterlevel purposes and the rationale given by Jack Carmicheal.			
Decision No. - 177	Site:	Minute Ref. No. - 450	25-Aug-98
DECISION: TANKS 304/1239: Consensus was reached to keep the Tank 304/1239 petroleum contamination under the UST program and not move it into the IR/RCRA program.			
Decision No. - 178	Site: AOC A	Minute Ref. No. - 479	24-Sep-98
Consensus was reached that one more field event was needed to define extent of the AOC A apron area plumes. Additional wells will be installed with onsite lab support. Initial points will be selected by the BCT, additional points selected in the field based on analytical results w/BCT concurrence. Plume will be defined during this field event.			
Decision No. - 179	Site:	Minute Ref. No. - 482	24-Sep-98
Consensus was reached regarding performing a risk assessment at SWMU 5 to assess the groundwater contamination in the southeast corner of the site. Contamination was isolated and non-significant.			

Decision No. - 180	Site:	Minute Ref. No. - 486	13-Oct-98
Demolition of the S-8 firestation will proceed as scheduled. Contractor will be made aware of the fact the a tank was reported in that area and reportedly removed, however, neither the tank, nor documentation of its removal could be located during the Assembly G/H CSI.			
Decision No. - 182	Site:	Minute Ref. No. - 490	27-Oct-98
Consensus was reached on 1) Adopt Diffusion Sampler for future groundwater sampling at NSA Mid-South, 2) discrete diffusion samples will be collected from 007G04LF, 3) test variability on 007G04LF by a pumping regiment. New wells will be sampled by pumping initially, then by diffusion samplers for future sampling. Results will be compared to tests variability of the data for that well. Any significant data variabilities will be evaluated on a case-by-case basis and adjustments to the sampling regime made accordingly.			
Decision No. - 183	Site:	Minute Ref. No. - 498	28-Oct-98
No wells to be abandoned at SWMU 15 and 21. Wells will be re-evaluated during the CMS.			
Decision No. - 184	Site: Assembly F	Minute Ref. No. - 499	28-Oct-98
Consensus was reached on the initial starting points for the Phase II RFI geoprobe investigation at SWMU 39.			
Decision No. - 185	Site: SWMU 60	Minute Ref. No. - 491	27-Oct-98
An exploratory trench will be excavated along the western extent of the geophysical survey performed at SWMU 60 to verify the extent of the landfill as defined by the geophysical survey. The trench will extend from the road to the northeast boudary of the landfill, perpendicular to the road to a depth of 4 feet.. If no debris is found, only the operational areas which were defined in the geophysical survey will be will be covered (i.e., wetland area will not be covered).			
Decision No. - 186	Site: SWMU 5	Minute Ref. No. - 500	28-Oct-98
SWMU 5 Fluvial Deposits Groundwater: No further investigation is going to be performed, the RFI report will be completed and submitted to the regulators presenting a case for no further action.			
Decision No. - 187	Site: AOC A	Minute Ref. No. - 510	15-Dec-98
The rotasonic hydropunch locations will be sampled down and side gradient of the current 34-36 transect. Seven rotasonic points. 5 downgradient, parallel to existing 34-36 transect, 2 side gradient. If all rotasonic points are ND, wells will be installed, 2 side gradient, and one downgradient. If concentrations of chlorinated solvents detected in the hydropunch samples, more points will be installed downgradient (stepping out 200 ft. max.)			
Decision No. - 188	Site: AOC A	Minute Ref. No. - 510	15-Dec-98
If probe sampling does not work at AOC A, wells will be installed along the flow path until ND is reached. Once ND is reached, two additional wells will be installed to the side of the most down gradient ND well . Two wells will be installed on either end of the 34-36 transect.			
Decision No. - 190	Site: AOC A	Minute Ref. No. - 524	25-Jan-99
N-12 Loess Groundwater - Evaluation of this site will not be included in the Loess CMS Work Plan, other than historical data and recommendation for the following additional samples. All wells will be sampled again in 6 months to check if petroleum levels increase or decrease and to determine groundwater flow direction. Initially, a grab sample will be collected prior to purging from well 04LS. Then samples will be collected from that well, as well as the others, using normal sampling methods (3 volume purge). If all contaminant concentrations are below the regulatory action levels, no further action will be required for the N-12 loess groundwater, nor will it be included in the loess CMS process. TDEC will be notified prior to sampling event.			
Decision No. - 191	Site: AOC A	Minute Ref. No. - 524	25-Jan-99
Bring in Frank Chapelle (USGS) and Pravakar (sp?) (modelling) to review and discuss the AOC A groundwater data and give his opinion on what direction we should take, and identify any data gaps.			

Decision No. - 192	Site: AOC A	Minute Ref. No. - 524	25-Jan-99
The first well installed north of the 34-36 transect will be a 4-inch well, which may be used for a pump test or interim measure in the future. In the event that the 4-inch well is 'clean,' an additional observation well will be installed downgradient.			
Decision No. - 193	Site:	Minute Ref. No. - 532	27-Jan-99
Replacement well at SWMU 5 will be placed within the excavation, in the deepest part of the excavation pit.			
Decision No. - 194	Site: AOC A	Minute Ref. No. - 538	22-Feb-99
AOC A: One new well will be installed 1000' along Perimeter Road from PZ-3.			
Decision No. - 195	Site: Assembly F	Minute Ref. No. - 552	24-Feb-99
Well locations proposed were adjusted and agreed to. Tech memo's for each Assembly will be prepared and submitted.			
Decision No. - 196	Site: AOC A	Minute Ref. No. - 550	24-Feb-99
All new data (including offsite well data) will be included in the AOC A RFI Report (Rev: 02). SSLs will not be updated, and an explanation will be included as to why.			
Decision No. - 197	Site:	Minute Ref. No. - 544	23-Feb-99
Additional samples will be collected to further define the horizontal and vertical extent. Samples will be collected from 0 - 3 and 3 - 6 inches for total and TCLP lead. Only the top 3 inches will be removed during the VCA.			
Decision No. - 198	Site: AOC A	Minute Ref. No. - 538	22-Feb-99
New well to be installed along Perimeter Road, 1000' from PZ-3, which contained 6.1 ppb TCE. PUMP TEST: USGS has the borehole flow meters and JKC will check the availability. IMPACT TO CMS: NA as a sole remedy is no longer a viable alternative. WELL SELECTION FOR GW SAMPLING: A total of 46 wells selected for sampling. Wells along Perimeter Road would be vertically profiled, as well as along the flow path. Vertical profiling will be 3 foot samplers in the fully penetrating wells, 10 - 3 ft. samplers for a 40 ft. well along the flow path (36LF, 37LF, 41LF and 45LF), 5 - 3 ft. samplers in 42LF, 44LF, and 48LF. 10 - 3 ft. samplers in 39LF and 46LF to make that is the edge of the plume. Unless specified otherwise, 2 - 3 ft. samplers for all remaining wells within the bottom 10 feet. Samplers will be left in place for 2 weeks.			
Decision No. - 199	Site: AOC A	Minute Ref. No. - 561	23-Mar-99
A pump test will be performed in the AOC A area, and borehole flow meter logging will be conducted in conjunction with the pump tests. A tech memo work plan (2 - 3 pages) will be prepared by EnSafe documenting the objectives, the wells to be tested, and the procedures to meet all env. compliance issues (i.e., water discharge) for the pump test only. A trial run of the borehole flow meter will be conducted by the USGS at the wells behind Building 1694. Based on the trial run, a decision will be then be made whether or not to conduct the borehole flow meter logging in the AOC A area.			
Decision No. - 200	Site: SWMU 10	Minute Ref. No. - 562	23-Mar-99
Based on TDEC comments, SWMU 10 groundwater will be included in the AOC A investigation, groundwater samples will be collected from the 2 downgradient SWMU 60 wells at a schedule to be agreed upon by TDEC and the Navy. TDEC will approve current revision of the SWMU 10 and 60 reports, and include the sampling requirements in the approval letter.			
Decision No. - 201	Site: CITGO	Minute Ref. No. - 570	24-Mar-99
Citgo: Consensus was reached to review results of add'l well to be installed at the site by Pickering. Upon receipt and review of data, a determination of the status of the site will be made at that time.			
Decision No. - 202	Site: AOC A	Minute Ref. No. - 571	24-Mar-99
N-6: New well location was selected 200' down gradient of Building N-2 and side gradient of 007G12LF and will be a fully penetrating well.			

Decision No. - 203	Site:	Minute Ref. No. - 582	27-Apr-99
Assembly F RFI Work Plan Addendum will be submitted as a pre-approved Revision 2. EPA, USGS, and NSA comments will be addressed in Revision 2. This revision will be a Final and will complete the Assembly F RFI Work Plan.			
Decision No. - 204	Site:	Minute Ref. No. - 583	27-Apr-99
Sites will be referred to according to the name listed in the RFA or the permit. Used oil will be referred to as used oil, rather than waste oil, if applicable. The term 'underground tank' will be used rather than 'underground waste tank.'			
Decision No. - 205	Site:	Minute Ref. No. - 601	18-May-99
N-48 Water Tower - Area will be grid sampled using XRF to determine horizontal and vertical extent. Results will be tabulated, and a work plan will be produced outlining the procedures for removal of all lead contaminated soil above the action level. An industrial reuse scenario clean up level will be used.			
Decision No. - 206	Site: AOC A	Minute Ref. No. - 605	19-May-99
Piezometers will be installed prior to the installation of any offsite wells to provide gw flow direction.			
Decision No. - 207	Site: AOC A	Minute Ref. No. - 605	19-May-99
One new well will be installed to collect data to answer the 1 vs 2 plume question. Data will be evaluated using the decision tree (Minute ID 605).			
Decision No. - 208	Site:	Minute Ref. No. - 612	21-Jun-99
BUPERS CONSTRUCTION SITE: Groundwater was not investigated during the original BUPERS construction site project due to the time constraints placed by the construction project. One groundwater sample will be collected from a location slightly downgradient (within 50') of the the former NATTC area (through the existing parking lot) from the upper fluvial deposits for VOC analysis.			
Decision No. - 209	Site:	Minute Ref. No. - 613	21-Jun-99
MCNAMARA WELL: WHEN PURGED AND RE-SAMPLED, CHLORIDE ANALYSIS WILL BE INCLUDED AT THE REQUEST OF TDEC (DSF).			
Decision No. - 210	Site:	Minute Ref. No. - 613	21-Jun-99
WATER LEVEL WELLS: Wells installed by USGS for water levels will be developed and sampled when the two new offsite contaminant wells are installed, developed, and sampled.			
Decision No. - 211	Site: AOC A	Minute Ref. No. - 620	22-Jun-99
AOC A - One well will be installed near the 'bird bath' 150' south of the edge of the runway, 100' west of the centerline taxiway, outside of the restricted area to facilitate evaluation of the 1 vs 2 plume hypothesis.			
Decision No. - 212	Site:	Minute Ref. No. - 624	23-Jun-99
GROUNDRULES: Groundrules will be modified based on team input.			
Decision No. - 213	Site: N-48	Minute Ref. No. - 637	27-Jul-99
Decision made to conduct a soil removal because deed restriction would limit future use of property (no intrusive activities) and would not fit in with likely City reuse plans. EnSafe will check on use of default vs. site-specific parameters to calculate industrial cleanup level (900 ppm using default).			
Decision No. - 214	Site:	Minute Ref. No. - 638	27-Jul-99
Extendwater supply well restricted area to the southwest to include the NFF and SWMU 60 areas (bounded by Dakar Street extended).			

Decision No. - 215

Site:

Minute Ref. No. - 655

28-Jul-99

After discussing the "no water supply well" restriction area on LUCIP map, based on a request from Phil Whittenberg of MIDB, the team decided to leave the area as previously delineated (yesterday), and to include modification provisions in the LUCIP to allow future property owners to install water supply wells with prior approval of the Navy, EPA, State, and MSCHD.